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 Fax No.: 1-703-305-7401  
 Assistant Commissioner for Patents  
 Washington, D.C. 20231, on May 20, 1996

PATENT

By

Christina A. Bybee

 Attorney Docket No. 16528X-008200  
 (client file no. 1091)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: )

MARK S. CHEE ET AL. )

Application No.: 08/327,525 )

Filed: October 21, 1994 )

 For: COMPUTER-AIDED  
 VISUALIZATION AND ANALYSIS )  
 SYSTEM FOR SEQUENCE )  
 EVALUATION )

Examiner: D. Rees

Art Unit: 1807

AMENDMENT

RECEIVED

MAY 20 1996

GRD-1800

 Assistant Commissioner for Patents  
 Washington, D.C. 20231

Sir:

In response to the Office Action mailed December 19, 1995, for which a petition for an extension of time is enclosed, please amend this application as follows.

IN THE CLAIMS:

Please cancel claims 1, 3-20 and 45-59 without prejudice. Please add new claims 60-105 as follows.

1-59. --CANCELED--

60. In a computer system, a method of identifying an unknown base in a sample nucleic acid sequence, said method comprising the steps of:

inputting a plurality of probe intensities for a plurality of nucleic acid probes, each probe intensity indicating an extent of hybridization of a nucleic acid probe with at least one nucleic acid sequence including said sample sequence, and each nucleic acid probe differing from each other by a single base;